LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA1 | Euston - Station and Approach

Operational assessment (SV-004-001)

Sound, noise and vibration

November 2013

VOL 5

ES 3.5.2.1.11

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Department for Transport

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Appendix SV-004-001

Environmental topic:	Sound, noise and vibration	SV
Appendix name:	Operation assessment	004
Community forum area:	Euston	001

Contents

List of tables

1 Introduction

1.1 Structure of the sound, noise and vibration appendices

1.1.1 The sound, noise and vibration appendices comprise four sections. The first of these details the methodology used (Appendix SV-001-000) and relates to the sound, noise and vibration assessment for all community forum areas (CFA).

1.1.2 For the Euston community forum area (CFA 01), the other three sections are as follows:

- baseline sound, noise and vibration (Appendix SV-002-001);
- construction sound, noise and vibration (Appendix SV-003-001); and
- operational sound, noise and vibration (Appendix SV-004-001) (this appendix).

1.1.3 Maps referred to throughout the sound, noise and vibration appendices are contained in the Volume 5 sound, noise and vibration map book.

1.1.4 This appendix presents the likely noise and vibration impacts, effects and significant effects associated with the operation of the Proposed Scheme for the Euston area on:

- people, considered primarily where they live, described as 'residential receptors' (the assessment is in terms of people in individual dwellings and on a wider community basis, including shared community open areas); and
- community facilities such as schools, hospitals, places of worship, Insert and also other receptors such as hotels collectively described as 'non-residential receptors' or 'quiet areas'.

1.1.5 The assessment of likely impact, effects and significant effects from operational noise and vibration on agricultural, community, cultural heritage and ecological receptors and the assessment of areas with high tranquillity are presented in the following documents within Volume 5:

- Community — Appendix CM-001-001
- Cultural Heritage — Appendix CH-003-001
- Ecology — Appendix EC-005-001
- Landscape and Visual — Appendix LV-001-001

1.2 Evaluation of impacts and effects

1.2.1 This appendix provides a quantitative assessment of operational noise and vibration impacts and effects and a qualitative assessment of likely significant effects, based on the impacts and effects identified and other local context information consistent with the scope and methodology defined for the Proposed Scheme.

1.2.2 Indirect effects arising from permanent changes in traffic patterns on the existing road and rail networks as a consequence of the Proposed Scheme are also reported in this appendix, where they would occur within the study area as defined in Volume 5: Appendix SV-001-000.

1.2.3 Route-wide impacts, effects and significant effects associated with noise or vibration from the operation of the Proposed Scheme are reported in Volume 3.

1.2.4 Off-route effects of noise or vibration arising from the operation of the Proposed Scheme, including those likely to arise from permanent changes in traffic patterns on roads or railways outside of the study area for direct effects are reported in Volume 4.

1.2.5 In undertaking the assessment of sound, noise and vibration, consistent with EIA Regulations and emerging National Planning Practice Guidance[1] a differentiation between impacts effects, adverse effects and significant effects is made. Further information is provided in Volume 5: Appendix SV001-000.

1.2.6 The assessment of impacts has been undertaken at assessment locations that are representative of a number of dwellings or other sensitive receptors. The Assessment Locations employed in this assessment are presented on map series Sv-02 in the CFA01 Volume 5 sound, noise and vibration map book.

[1] National Planning Practice Guidance – Noise http://planningguidance.planningportal.gov.uk ; refer to the table summarising noise exposure hierarchy

2 Scope, assumptions and limitations

2.1 Regional and local policy guidance

2.1.1 The policy framework for sound, noise and vibration is set out in Volume 1 and in Appendix SV-001-000. As part of the engagement with local authorities through the Planning Forum Sub Group (Acoustics) information regarding any specific local planning guidance in respect of noise and vibration has been requested. Whilst no information has been received for this study area via the Planning Forum Sub Group (Acoustics) the following local policy guidance on noise and vibration has been identified:

- Camden Local Development Framework - Nov 2010

2.1.2 This guidance has been considered as part of formulating the detailed application of the impact and significance criteria set out in Volume 5: Appendix SV-001-000.

2.2 Engagement

2.2.1 Details of engagement on a route-wide basis with the local and county authorities' Environmental Health Practitioners via the Planning Forum Sub Group - Acoustics, is set out in Volume 1, Section 8.

2.2.2 Engagement with communities has been via the Community Forums, as set out in Volume 1. In respect of sound, noise and vibration the following discussions have taken place:

- general discussions in respect of local issues, including possible ways to avoid and mitigate the potential impacts of noise or vibration
- September / October 2012; a specific presentation about sound, noise and vibration with discussion afterwards with one of the project team specialists;
- November / December 2012; specific request for the Community Forum to propose baseline sound monitoring locations;
- January / February 2013; feedback to the Community Forum on any proposed baseline monitoring locations; and
- verbal / written response to questions on sound, noise and vibration.

2.3 Methodology

2.3.1 The methodology used for the assessment of airborne sound, ground-borne sound and vibration impacts and the determination of significant effects is defined in the Scope and Methodology Report (SMR) (Volume 5: Appendix CT-001-000/1), is clarified in a number of areas by the SMR addendum (Volume 5: Appendix CT-001-000/2). Further information is contained in Volume 5: Appendix SV-001-000.

2.4 Assumptions

2.4.1 Route-wide assumptions are outlined in Volume 1, Section 8, and are further detailed in Volume 5: Appendix SV-001-000. Local assumptions that apply to the assessment of operational sound noise and vibration within this CFA are set out in Volume 2: Report 01.

2.5 Local Limitations

2.5.1 In this area, there are a number of locations where the land or property owners did not permit baseline sound level monitoring to be undertaken at their premises. However, sufficient information has been obtained to undertake the assessment. Further information is provided in Volume 5: Appendix SV-002-000.

3 Environmental baseline

3.1 Existing baseline

3.1.1 Baseline sound level data has been collected at locations representative of the airborne sound-sensitive receptors. The existing and future baseline airborne sound levels derived from these measurements are included within Table 3. Details of the baseline data collection and the methodology are given in Volume 5: Appendix SV-001-000 and specifically for this study area in Volume 5: Appendix SV-002-001.

3.1.2 The majority of receptors adjacent to the line of the route are not currently subject to appreciable vibration and therefore vibration at all receptors has been assessed using the absolute vibration criteria as described in Volume 5: Appendix SV-001-000.

3.2 Future baseline

3.2.1 The assessment is based upon the predicted change in sound levels that result from the Proposed Scheme. The assessment initially considered a reasonable worst case (that would overestimate the change in levels) by assuming that sound levels would not change from the existing baseline year of 2012/2013. Where significant effects were identified on this basis, the effects have been assessed using the baseline year of 2026 to coincide with the proposed start of passenger services. The future baseline is for the sound environment that would exist in 2026 without the Proposed Scheme.

4 Effects arising during operation

4.1 Introduction

4.1.1 The assessment is reported first for ground-borne sound and vibration and then for airborne sound. Under each of these headings, the results of the quantitative identification of impacts and effects are presented. This is followed by the identification of significant effects and the evidence used to support these conclusions.

4.1.2 The structure of this assessment report is:

- Avoidance and mitigation measures
- Quantitative identification of impact and effects
  - Ground-borne sound and vibration
    - Residential
    - Non-residential
  - Airborne sound
    - Residential
    - Non-residential
- Assessment of impacts and effects
  - Residential receptors: direct effects – dwellings
  - Residential receptors: direct effects – communities
  - Residential receptors: indirect effects
  - Non-residential receptors: direct effects
  - Non-residential receptors: indirect effects
  - Cumulative effects from the proposed scheme and other committed development.

4.2 Avoidance and mitigation measures

4.2.1 These are set out in Volume 2: Report 01.

4.3 Quantitative identification of impacts and effects

Ground-borne sound and vibration

4.3.2 Assessment locations defined for the quantitative assessment of impacts are shown on map series SV-02 in the CFA01 Volume 5 sound, noise and vibration map book.

4.3.3 For each Assessment Location, the assessment results for residential and non-residential receptors are presented in Table 1. Explanation of the information in Table 1 is provided in Appendix SV-001-000, with the following additional notes.

B	For non-residential receptors further detail about the type of effect is set out in the text of Volume 5: Appendix SV-001-000.
NA	Type of effect - Generally no adverse effect
A	Type of effect - Adverse effect
S	Type of effect - Significant adverse effect
VDV	Vibration Dose Value
~	The forecast adverse effects are not considered to be significant on a community basis (further information on methodology is provided in Volume 5: Appendix SV-001-000).
^	The impact methodology has identified a potential significant effect at this receptor which based upon further qualitative information is not considered to be a likely significant effect. Please refer the end of this Appendix for further information.
	Where the significant effect column is highlighted in pink, then a significant effect is identified at the referenced residential community area, or individual receptor.
	Yellow denotes a low ground-borne noise impact or a minor ground-borne vibration impact
	Orange denotes a medium ground-borne noise impact or a moderate ground-borne vibration impact
	Red denotes a high ground-borne noise impact or a major ground-borne vibration impact
	Dark red denotes a very high ground-borne noise impact

Table 1: Ground-borne sound and vibration impacts and effects at residential and non-residential receptors

Assessment location		Impact criteria				Significance criteria								
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	Significant effect
521033	Park Village East, London	-	0.03	0.02	-	105	NA	R	T	-	-	-	-	
528585	Park Village East, London	-	0.03	0.01	-	22	NA	R	T	-	-	-	-	
528600	Park Village East, London	-	0.03	0.02	-	26	NA	R	T	-	-	-	-	
528624	Park Village East, London	-	0.03	0.01	-	44	NA	R	T	-	-	-	-	
528830	Park Village East, London	-	0.07	0.03	-	4	NA	R	T	-	-	-	-	
529185	Mornington Terrace, London	-	0.02	0.01	-	20	NA	R	T	-	-	-	-	
529201	Mornington Terrace, London	-	0.02	0.01	-	22	NA	R	T	-	-	-	-	
529302	Mornington Place, London	-	0.02	0.01	-	29	NA	R	T	-	-	-	-	
534557	Cobourg Street, London	-	0.01	0.01	-	42	NA	R	T	-	-	-	-	
534765	Cobourg Street, London	-	0.01	0.01	-	37	NA	R	T	-	-	-	-	
534772	Starcross Street, London	-	0.01	0.00	-	22	NA	R	T	-	-	-	-	
535446	Hampstead Road, Regent's Park	-	0.08	0.04	-	69	NA	R	T	-	-	-	-	
535454	Harrington Street, London	-	0.04	0.02	-	24	NA	R	T	-	-	-	-	
535501	Harrington Street, Regent's Park	-	0.03	0.02	-	60	NA	R	T	-	-	-	-	
535544	Augustus Street, London	-	0.02	0.01	-	50	NA	R	T	-	-	-	-	
535768	Varndell Street, London	-	0.02	0.01	-	119	NA	R	T	-	-	-	-	
536408	Euston Road, London	-	0.01	0.00	-	175	NA	R	T	-	-	-	-	
545326	Mornington Crescent, London	-	0.02	0.01	-	18	NA	R	T	-	-	-	-	
545919	Hampstead Road, London	-	0.02	0.01	-	80	NA	R	T	-	-	-	-	
621691	Park Village East, London	-	0.07	0.03	-	13	NA	R	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
621692	Park Village East, London	13	0.06	0.03	-	3	NA	R	T	-	-	-	-	
621693	Park Village East, London	12	0.05	0.02	-	4	NA	R	T	-	-	-	-	
621694	Mornington Terrace, London	23	0.05	0.02	-	1	NA	R	T	-	-	-	-	
621695	Park Village West, London	-	0.02	0.01	-	2	NA	R	T	-	-	-	-	
621696	Parkway, London	20	0.06	0.03	-	6	NA	R	T	-	-	-	-	
621705	Mornington Terrace, London	8	0.03	0.01	-	65	NA	R	T	-	-	-	-	
621712	Delancey Street, London	5	0.02	0.01	-	16	NA	R	T	-	-	-	-	
621735	Delancey Street, London	8	0.03	0.02	-	9	NA	R	T	-	-	-	-	
700384	Mornington Terrace, Regent's Park	-	0.02	0.01	-	52	NA	R	T	-	-	-	-	
520315	Park Village East, London, (Studio)	19	0.10	0.05	-	1	B	G4/V2	T	-	-	-	-	
523758	Parkway, London, (Studio)	19	0.05	0.03	-	4	B	G4/V2	T	-	-	-	-	
523809	Mornington Terrace, London, (General Commercial)	11	0.05	0.03	-	1	B	G4/V3	T	-	-	-	-	
523826	Delancey Street, London, (General Commercial)	8	0.03	0.02	-	1	B	G4/V3	T	-	-	-	-	
524286	Delancey Street, London, (Shopping)	10	0.04	0.02	-	1	B	G4/V3	T	-	-	-	-	
524286	Delancey Street, London, (Shopping)	10	0.04	0.02	-	1	B	G4/V3	T	-	-	-	-	
524286	Parkway, London, (General Commercial)	10	0.04	0.02	-	1	B	G4/V3	T	-	-	-	-	
528008	Regents Park Barracks, Albany Street, London, (Central Government Office)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
528624	Goldsmith House, Park Village East, London, (General Commercial)	-	0.03	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Society of College, National & University	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
	Libraries, Euston Street, London, (Library)													
534557	Drummond Street, London, (Shopping)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	North Gower Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Agency for Legal Deposit Libraries, Euston Street, London, (Library)	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	
534557	Euston Road, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Euston Square Hotel, North Gower Street, London, (Hotel)	-	0.01	0.01	-	1	A	G4/V2	T	-	-	-	-	
534557	Stephenson Way, London, (Research)	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	
534557	Stephenson Way, London, (Office)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Stephenson Way, London, (General Commercial)	-	0.01	0.01	-	5	B	G4/V3	T	-	-	-	-	
534557	Stephenson Way, London, (Welfare Services)	-	0.01	0.01	-	5	B	G4/V3	T	-	-	-	-	
534557	Euston House, Euston Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Euston Street, London, (Office)	-	0.01	0.01	-	11	B	G4/V3	T	-	-	-	-	
534557	North Gower Street, London, (Office)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Euston Street, London, (Office)	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	
534557	Euston Road, London, (Office)	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	
534557	Stephenson House 158-160, North Gower Street, London, (General	-	0.01	0.01	-	2	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
	Commercial)													
534557	North Gower Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (Restaurant)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (Office)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (Shopping)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (Restaurant)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534557	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (Shopping)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (Restaurant)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (Shopping)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534765	Drummond Street, London, (General Commercial)	-	0.01	0.01	-	1	B	G4/V3	T	-	-	-	-	
534772	North Gower Street, London, (Mosque)	-	0.01	0.00	-	1	B	G3/V3	T	-	-	-	-	
534772	North Gower Street, London, (General	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
	Commercial)													
534932	Maria Fidelis Convent Lower School, North Gower Street, London, (School)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
534932	Hampstead Road, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
534932	St. James' House, Hampstead Road, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (General Commercial)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (General Commercial)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (Shopping)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (Office)	-	0.02	0.01	-	2	B	G4/V3	T	-	-	-	-	
535544	Augustus Street, London, (General Commercial)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (General Commercial)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535544	Stanhope Parade, London, (Shopping)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
535768	Hampstead Road, London, (Shopping)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	
536408	Gordon Street, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Bloomsbury Theatre, Gordon Street, London, (Theatre)	-	0.01	0.00	-	1	B	G1/V3	T	-	-	-	-	
536408	Gordon Square, London, (Office)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, New	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
	Chemistry Building, Gordon Street, London, (University)													
536408	University College London, Gordon Square, London, (University)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	
536408	University College London, Gordon Square, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Gordon Square, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Congregational Library, Gordon Square, London, (Library)	-	0.01	0.00	-	3	B	G4/V3	T	-	-	-	-	
536408	The Cloisters, Gordon Square, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Gower Street, London, (Bank)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Chenies Mews, London, (Office)	-	0.01	0.00	-	4	B	G4/V3	T	-	-	-	-	
536408	Taviton Street, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Catholic Chaplaincy to the London Universities, Newman House, Gower Street, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Chenies Mews, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Torrington Place, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Malet Place, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
536408	University of London, Woburn Square, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University of London Chaplaincy, Torrington Square, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Huntley Street, London, (Office)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	
536408	Gower Street, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Gower Street, London, (General Commercial)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	
536408	Gower Street, London, (Factory)	-	0.01	0.00	-	1	B	G4/V4	T	-	-	-	-	
536408	Chenies Mews, London, (General Commercial)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Malet Street, London, (Office)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Shropshire House, Capper Street, London, (Office)	-	0.01	0.00	-	8	B	G4/V3	T	-	-	-	-	
536408	Tottenham Court Road, London, (General Commercial)	-	0.01	0.00	-	3	B	G4/V3	T	-	-	-	-	
536408	University College London, Gower Street, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	Gower Place Practice, Gower Place, London, (Clinic)	-	0.01	0.00	-	3	B	G4/V2	T	-	-	-	-	
536408	University College Hospital, University Street, London, (Hospital)	-	0.01	0.00	-	1	B	G4/V2	T	-	-	-	-	
536408	Gower Street, London, (Hostel)	-	0.01	0.00	-	1	B	G4/V2	T	-	-	-	-	
536408	Gower Street, London, (Shopping)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	

Assessment location		Impact criteria				Significance criteria								Significant effect
ID	Area represented	Ground-borne sound level dB L_{pASmax}	VDV m/s$^{1.75}$ Daytime (07:00 - 23:00)	VDV m/s$^{1.75}$ Night time (23:00 – 07:00)	% increase or decrease in VDV	Number of impacts represented	Type of effect	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation effect	
536408	Huntley Street, London, (Office)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	
536408	Euston Road, London, (Office)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Drayton House, Gordon Street, London, (University)	-	0.01	0.00	-	2	B	G4/V3	T	-	-	-	-	
536408	Gordon Street, London, (Office)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, The Bartlett School, Gordon Street, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
536408	University College London, Gower Street, London, (University)	-	0.01	0.00	-	1	B	G4/V3	T	-	-	-	-	
539626	Prism Entertainment, Euston Tower, Euston Road, London, (Entertainment Centre)	-	0.00	0.00	-	31	B	G2/V3	T	-	-	-	-	
545326	Mornington Crescent, London, (Car Dealer)	-	0.02	0.01	-	1	B	G4/V3	T	-	-	-	-	

Impact summary

4.3.4 The operational ground-borne noise and vibration impacts identified in Table 1 are summarised in Table 2.

Table 2: Summary of operational ground-borne noise and vibration impacts

	Number of ground-borne sound impacts			
	Low	Medium	High	Very High
Residential properties	0	0	0	0
Non-residential properties	0			0
	Number of ground-borne vibration impacts			
	Minor	Moderate	Major	Risk of building damage
Residential properties	0	0	0	0
Non-residential properties	0			0

Airborne sound: direct impacts and effects

4.3.5 The direct effects from the operation of the Proposed Scheme as well as any new, amended or altered roads or railway lines, which are identified as part of the scheme, are presented in Table 3.

4.3.6 The assessment information, impact criteria and significance criteria for the assessment of the incorporated mitigation case at residential and non-residential receptors are presented in Table 3. The results should be considered in conjunction with the information contained in map series Sv-02 in the CFA24 Volume 5 sound, noise and vibration map book.

4.3.7 Explanation of the Table 3 information is provided in Appendix SV001-000, with the following additional notes.

	Where the significant effect column is marked, then a significant effect is identified at the referenced group of dwellings, or individual residential or non-residential receptor.
	Yellow denotes a minor impact at a residential building – a change is of 3-5 dB
	Orange denotes a moderate impact at a residential building – a change is of 5-10 dB
	Red denotes a major impact at a residential building – a change is of >10 dB
*	Day - $L_{pAeq,07:00-23:00}$
**	Night - $L_{pAeq,23:00-07:00}$
***	Max - L_{pAFmax} In the Proposed Scheme only column, two values are presented. The first is the value for the HS2 mitigated train and the second is the value for the TSI compliant train. For further information refer to Volume 5: Appendix SV-001-000.
****	Where the Proposed Scheme modifies an existing source, i.e. road or railway realignments, the *Proposed Scheme only* level in the table includes the sound from the modified source. In this situation the *Do something (Opening year baseline + Year 15 traffic)* level has been corrected so as to not double count the sound associated with the road or railway on its new and existing alignment.
A	Adverse effect
B	For non-residential receptors further detail about the type of effect is set out in the text of Appendix SV-001-000.
CD	Committed Development. The value in brackets in the number of impacts represented column is

the value with the committed development.

G (G1)Theatres, large auditoria and concert halls, (G2) Sound recording and broadcast studios, (G3) Places of meeting for religious worship, courts, cinemas, lecture theatres, museums and small auditoria or halls, (G4) Schools, colleges, hospitals, hotels and libraries, and (G5) Offices and general commercial premises

H High existing ambient sound level. Defined as >65dB$L_{Aeq,\ day}$ and/or >55dB$L_{Aeq,\ night}$

L Low existing ambient sound level. Defined as <42dB$L_{Aeq,\ day}$ and/or <32dB$L_{Aeq,\ night}$

LD Landscape receptor

NA Generally no adverse effect

NI The receptor is predicted to qualify for mitigation, which shall be provided to the specification defined in the Noise Insulation (Railways and other Guided Rail Systems) Regulations 1996

R Residential

RM Residential mooring

S Significant adverse effect

U Unacceptable adverse effect

A change of 3dB or greater has been identified however, the assessment methodology only defines an impact where the absolute sound level from the Proposed Scheme is greater or equal to 50 dB $L_{pAeq,\ 23:00-07:00}$ during the daytime or 40 dB $L_{pAeq,\ 07:00-23:00}$ at night. At the receptor denoted the absolute level condition is not met and therefore no impact is identified.

~ The forecast adverse effects are not considered to be significant on a community basis (further information on methodology is provided in Volume 5: Appendix SV-001-000).

$ A change of 3dB or greater has been identified however, the impact methodology for non-residential receptors includes a screening criteria for G3 building use of 50 dB $L_{pAeq,07:00-23:00,}$ for G4 building use 55 dB $L_{pAeq,07:00-23:00}$ and 45 dB $L_{pAeq,23:00-07:00}$, for G5 building use 55 dB $L_{pAeq,07:00-23:00}$. At the receptor denoted the screening criteria is not met and therefore no impact is identified. Further information is provided in Volume 5: Appendix SV-001-000.

^ The impact methodology has either identified an impact at a receptor which based upon further qualitative information does not gives rise to a significant effect. Further information is provided at the end of this Appendix.

Table 3: Operational airborne sound level, noise impacts and effects

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
519788	Euston Road, London	31	23	48/51	75	71	81	75	71	0	0	NA	462	R	T	H	-	-	-	
520315	Parkway, London	42	35	59/62	51	47	55	52	47	1	0	NA	2	R	T	-	-	-	-	
520752	Eversholt Street, London	34	27	51/54	70	67	80	70	67	0	0	NA	73	R	T	H	-	-	-	
521033	Park Village East, London	57	49	68/70	63	57	73	64	58	1	1	A	105	R	T	H	-	-	-	
521556	Redhill Street, London	36	29	47/50	52	50	66	53	50	0	0	NA	102	R	T	-	-	-	-	
522490	Augustus Street, London	42	35	56/59	52	50	66	53	50	0	0	NA	376	R	T	-	-	-	-	
523758	Parkway, London	32	24	53/56	51	47	55	51	47	0	0	NA	4	R	T	-	-	-	-	
523809	Mornington Terrace, London	43	35	60/63	60	56	67	60	56	0	0	NA	1	R	T	H	-	-	-	
523826	Mornington Terrace, London	43	36	57/60	60	56	67	60	56	0	0	NA	47	R	T	H	-	-	-	
523935	Albert Street, London	38	30	48/51	55	47	51	55	47	0	0	NA	120	R	T	-	-	-	-	
524286	Delancey Street, London	38	31	58/61	60	56	67	60	56	0	0	NA	116	R	T	H	-	-	-	
525979	Arlington Road, London	36	28	47/50	55	47	51	55	47	0	0	NA	152	R	T	-	-	-	-	
527860	Albany Street, London	32	24	47/50	63	57	73	63	57	0	0	NA	41	R	T	H	-	-	-	
528008	Park Village West, London	40	33	49/52	51	46	52	52	46	0	0	NA	11	R	T	-	-	-	-	
528051	Cumberland Terrace, London	34	26	45/48	63	57	73	63	57	0	0	NA	17	R	T	H	-	-	-	
528192	Cumberland Terrace Mews, London	34	26	44/47	63	57	73	63	57	0	0	NA	52	R	T	H	-	-	-	
528324	Redhill Street, Regent's Park	44	37	56/59	51	46	52	52	46	1	1	NA	93	R	T	-	-	-	-	
528405	Albany Street, Regent's Park	38	30	49/52	51	46	52	52	46	0	0	NA	15	R	T	-	-	-	-	
528585	Park Village East, London	54	46	65/68	63	57	73	63	58	0	0	A	22	R	T	H	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
528600	Park Village East, London	54	47	66/69	63	57	73	63	58	1	0	A	26	R	T	H	-	-	-	
528624	Park Village East, London	54	47	66/69	63	57	73	63	58	1	0	A	44	R	T	H	-	-	-	
528830	Park Village East, London	52	45	59/62	65	59	75	65	59	0	0	A	4	R	T	H	-	-	-	
528856	Park Village East, London	48	41	52/55	65	59	75	65	59	0	0	A	2	R	T	H	-	-	-	
528881	Park Village East, London	40	33	53/56	65	59	75	65	59	0	0	NA	9	R	T	H	-	-	-	
528890	Park Village East, London	42	35	52/55	65	59	75	65	59	0	0	NA	2	R	T	H	-	-	-	
528900	Park Village East, London	40	33	49/52	65	59	75	65	59	0	0	NA	5	R	T	H	-	-	-	
528939	Park Village West, London	35	27	50/53	51	46	52	51	46	0	0	NA	44	R	T	-	-	-	-	
529017	Mornington Terrace, London	45	38	59/62	60	56	67	61	56	0	0	NA	27	R	T	H	-	-	-	
529041	Mornington Terrace, London	47	40	61/64	60	56	67	61	56	0	0	A	25	R	T	H	-	-	-	
529064	Mornington Street, London	49	42	62/65	60	56	67	61	56	0	0	A	35	R	T	H	-	-	-	
529185	Mornington Terrace, London	52	45	64/67	61	55	65	61	56	1	0	A	20	R	T	H	-	-	-	
529201	Mornington Terrace, London	51	44	64/67	60	56	67	61	56	1	0	A	22	R	T	H	-	-	-	
529302	Mornington Place, London	51	43	62/65	61	55	65	61	55	0	0	A	29	R	T	H	-	-	-	
533032	Euston Road, London	27	19	44/47	75	71	81	75	71	0	0	NA	657	R	T	H	-	-	-	
533361	Doric Way, St. Pancras And Somers Town	35	28	50/53	70	67	80	70	67	0	0	NA	40	R	T	H	-	-	-	
533433	Churchway, London	29	21	41/44	53	50	69	53	50	0	0	NA	16	R	T	-	-	-	-	
533445	Eversholt Street, London	36	29	47/50	70	67	80	70	67	0	0	NA	162	R	T	H	-	-	-	
533673	Churchway, London	34	26	48/51	57	55	69	57	55	0	0	NA	116	R	T	H	-	-	-	
533851	Eversholt Street, London	40	33	52/55	69	66	76	69	66	0	0	NA	20	R	T	H	-	-	-	
533958	Chalton Street, London	33	25	44/47	57	55	69	57	55	0	0	NA	169	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	Significant effect
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
534200	Eversholt Street, London	49	41	58/61	70	67	80	70	67	0	0	A	183	R	T	H	-	-	-	
534286	Polygon Road, London	35	28	43/46	57	55	69	57	55	0	0	NA	114	R	T	H	-	-	-	
534557	Cobourg Street, London	30	23	49/52	55	47	61	55	47	0	0	NA	42	R	T	-	-	-	-	
534765	Cobourg Street, London	31	23	42/45	55	47	61	55	47	0	0	NA	37	R	T	-	-	-	-	
534772	Starcross Street, London	32	25	43/46	55	47	61	55	47	0	0	NA	22	R	T	-	-	-	-	
534932	North Gower Street, London	35	27	45/48	55	47	51	55	47	0	0	NA	0	R	T	-	-	-	-	
535446	Hampstead Road, Regent's Park	67	59	74/76	69	65	74	69	65	0	0	A	69	R	T	H	-	-	-	
535454	Harrington Street, London	59	51	69/72	60	56	74	62	57	3	1	A	24	R	T	H	-	-	-	OSV01-C01
535501	Harrington Street, Regent's Park	57	50	67/70	52	50	66	58	53	6	3	A	60	R	T	-	-	-	-	OSV01-C01
535544	Augustus Street, London	53	45	65/68	52	50	66	56	51	3	1	A	50	R	T	-	-	-	-	OSV01-C01
535686	Cumberland Market, London	47	40	56/59	52	50	66	54	50	1	0	A	314	R	T	-	-	-	-	
535768	Varndell Street, London	58	50	65/68	64	57	75	65	58	1	1	A	119	R	T	H	-	-	-	
536408	Euston Road, London	31	23	51/54	75	71	81	75	71	0	0	NA	175	R	T	H	-	-	-	
539626	North Gower Street, London	31	23	44/47	55	47	61	55	47	0	0	NA	101	R	T	-	-	-	-	
543159	Aldenham Street, London	39	31	48/51	55	47	61	55	47	0	0	NA	379	R	T	-	-	-	-	
544316	Albert Street, London	42	34	52/55	55	47	51	55	47	0	0	NA	23	R	T	-	-	-	-	
544328	Arlington Road, London	38	30	47/50	55	47	51	55	47	0	0	NA	143	R	T	-	-	-	-	
544630	Mornington Terrace, Regent's Park	53	45	64/67	59	54	68	60	54	1	1	A	0	R	T	-	-	-	-	
545266	Harrington Square, London	42	35	56/59	67	61	71	67	61	0	0	NA	126	R	T	H	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
545326	Mornington Crescent, London	54	46	65/68	62	56	65	62	57	1	0	A	18	R	T	H	-	-	-	
545365	Mornington Crescent, London	50	42	61/64	56	50	65	57	51	1	1	A	17	R	T	-	-	-	-	
545455	Oakley Square, London	38	31	49/52	62	56	65	62	56	0	0	NA	97	R	T	H	-	-	-	
545616	Eversholt Street, London	38	30	44/47	62	56	65	62	56	0	0	NA	178	R	T	H	-	-	-	
545708	Ampthill Square, London	55	48	65/68	64	62	76	65	62	1	0	A	24	R	T	H	-	-	-	
545716	Ampthill Square, London	52	44	62/65	57	51	65	58	52	1	1	A	24	R	T	-	-	-	-	
545744	Ampthill Square, London	54	47	64/67	57	51	65	59	53	2	1	A	12	R	T	-	-	-	-	
545762	Barnby Street, St. Pancras And Somers Town	52	44	62/65	62	61	82	63	61	0	0	A	24	R	T	H	-	-	-	
545877	Harrington Square, London	52	45	62/65	67	61	71	67	61	0	0	A	80	R	T	H	-	-	-	
545890	Harrington Square, London	54	47	64/67	67	65	82	67	65	0	0	A	80	R	T	H	-	-	-	
545919	Hampstead Road, London	58	50	67/69	69	65	74	69	65	0	0	A	80	R	T	H	-	-	-	
546176	Ampthill Square, London	47	40	59/62	52	46	65	53	47	1	1	A	0	R	T	-	-	-	-	
546361	Mornington Place, London	46	39	57/60	59	54	68	59	54	0	0	NA	63	R	T	-	-	-	-	
547012	Hampstead Road, London	39	31	53/56	68	64	75	68	64	0	0	NA	139	R	T	H	-	-	-	
700144	Parkway, London	34	24	47/50	57	54	68	57	54	0	0	NA	64	R	T	-	-	-	-	
700384	Mornington Terrace, Regent's Park	51	44	65/68	60	56	67	61	56	1	0	A	52	R	T	H	-	-	-	
700386	Park Village East, London	54	46	56/59	65	59	75	65	59	0	0	A	2	R	T	H	-	-	-	
700393	Chester Place, London	33	26	43/46	63	57	73	63	57	0	0	NA	55	R	T	H	-	-	-	
700394	Robert Street, London	44	37	55/58	60	56	75	60	56	0	0	NA	107	R	T	H	-	-	-	
710960	Albany Street, London	32	25	40/43	68	64	75	68	64	0	0	NA	126	R	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
710961	Arlington Road, London	34	25	45/48	55	47	51	55	47	0	0	NA	4	R	T	-	-	-	-	
710962	Camden High Street, London	33	25	45/48	67	61	71	67	61	0	0	NA	101	R	T	H	-	-	-	
710963	Camden High Street, London	32	24	45/48	59	54	68	59	54	0	0	NA	34	R	T	-	-	-	-	
710964	Bayham Street, London	32	24	45/48	59	54	68	59	54	0	0	NA	289	R	T	-	-	-	-	
710965	Albany Street, London	34	27	40/43	52	50	66	52	50	0	0	NA	160	R	T	-	-	-	-	
710966	Robert Street, London	36	28	47/50	52	50	66	52	50	0	0	NA	179	R	T	-	-	-	-	
710967	Clarence Gardens, London	31	23	40/43	52	50	66	52	50	0	0	NA	211	R	T	-	-	-	-	
710968	Camden High Street, London	36	28	47/50	67	61	71	67	61	0	0	NA	61	R	T	H	-	-	-	
710969	Bayham Street, London	32	24	43/46	59	54	68	59	54	0	0	NA	156	R	T	-	-	-	-	
710971	William Road, London	36	28	50/53	52	50	66	52	50	0	0	NA	57	R	T	-	-	-	-	
710972	Stanhope Street, London	32	24	42/45	52	50	66	52	50	0	0	NA	215	R	T	-	-	-	-	
710973	Oakley Square, London	39	31	51/54	62	56	65	62	56	0	0	NA	92	R	T	H	-	-	-	
710975	Cranleigh Street, London	37	29	47/50	55	47	61	55	47	0	0	NA	171	R	T	-	-	-	-	
710976	Godwin Court, London	33	25	41/44	59	54	68	59	54	0	0	NA	115	R	T	-	-	-	-	
710977	Charlton Street, London	29	23	36/39	57	55	69	57	55	0	0	NA	211	R	T	H	-	-	-	
710978	Phoenix Court, London	33	26	39/42	57	55	69	57	55	0	0	NA	258	R	T	H	-	-	-	
898989	Albert Street, London	34	26	45/48	50	42	51	50	42	0	0	NA	60	R	T	-	-	-	-	
519788	Maple House, Tottenham Court Road (TV production)	31	23	48/51	75	71	81	75	71	0	0	B	9	G2	T	H	-	-	-	
519788	Tottenham Court Road, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	20	G5	T	H	-	-	-	
519788	Grafton Hotel, Tottenham	31	23	48/51	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Court Road, London (Hotel)																			
519788	Shirley House 25-27, Tottenham Court Road, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
519788	Grafton Way, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	8	G5	T	H	-	-	-	
519788	Suffolk House, Whitfield Place, London (Office)	31	23	48/51	75	71	81	75	71	0	0	B	7	G5	T	H	-	-	-	
519788	Euston Road, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	9	G5	T	H	-	-	-	
519788	Whitfield Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	10	G5	T	H	-	-	-	
519788	Memorial Centre, Whitfield Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
519788	Project House, Tottenham Court Road, London (Office)	31	23	48/51	75	71	81	75	71	0	0	B	4	G5	T	H	-	-	-	
519788	University College Hospital, Euston Road, London (Hospital)	31	23	48/51	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
519788	Midford Place, London (Factory)	31	23	48/51	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
519788	Chinese Medical Academy, University Street, London (Higher Education)	31	23	48/51	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
519788	Maple Street, London (Office)	31	23	48/51	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
519788	A R D German Television, Midford Place, London (Television Studio)	31	23	48/51	75	71	81	75	71	0	0	B	1	G2	T	H	-	-	-	
519788	University College Hospital, Gower Street, London (Hospital)	31	23	48/51	75	71	81	75	71	0	0	B	6	G4	T	H	-	-	-	
519788	University Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
519788	University Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
519788	Schafer House 168-182, Whitfield Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
519788	Warren Street, London (General Commercial)	31	23	48/51	75	71	81	75	71	0	0	B	19	G5	T	H	-	-	-	
520315	Park Village East, London (Office)	42	35	59/62	51	47	55	52	47	1	0	B	1	G5	T	-	-	-	-	
520752	Eversholt Street, London (General Commercial)	34	27	51/54	70	67	80	70	67	0	0	B	1	G5	T	H	-	-	-	
520752	Fire Station, Euston Road, London (Fire Station)	34	27	51/54	70	67	80	70	67	0	0	B	1	G4	T	H	-	-	-	
520752	Evergreen House, Euston Road, London (General Commercial)	34	27	51/54	70	67	80	70	67	0	0	B	4	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
520752	Travelodge, Grafton Place, London (Hotel)	34	27	51/54	70	67	80	70	67	0	0	B	1	G4	T	H	-	-	-	
521556	Albany Street, London (General Commercial)	36	29	47/50	52	50	66	53	50	0	0	B	2	G5	T	-	-	-	-	
521556	Antiochian Orthodox Church, Redhill Street, London (Church)	36	29	47/50	52	50	66	53	50	0	0	B	1	G3	T	-	-	-	-	
521556	Christ Church C of E Primary School, Redhill Street, London (Primary School)	36	29	47/50	52	50	66	53	50	0	0	B	1	G4	T	-	-	-	-	
522490	Ascot House, Redhill Street, London (Shopping)	42	35	56/59	52	50	66	53	50	0	0	B	1	G5	T	-	-	-	-	
523758	Parkway, London (General Commercial)	32	24	53/56	51	47	55	51	47	0	0	B	5	G5	T	-	-	-	-	
523809	Mornington Terrace, London (General Commercial)	43	35	60/63	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
523826	Delancey Street, London (General Commercial)	43	36	57/60	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
523935	Mornington Street, London (General Commercial)	38	30	48/51	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	
524286	Novas Gallery, Parkway, London (Art Gallery)	38	31	58/61	60	56	67	60	56	0	0	B	1	G3	T	-	-	-	-	
524286	Albert Street, London (Museum)	38	31	58/61	60	56	67	60	56	0	0	B	1	G3	T	-	-	-	-	
524286	Parkway Dental Care, Parkway,	38	31	58/61	60	56	67	60	56	0	0	B	1	G4	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	London (Dental Surgery)																			
524286	Delancey Street, London (Shopping)	38	31	58/61	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
524286	Albert Street, London (General Commercial)	38	31	58/61	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
524286	Delancey Street, London (Shopping)	38	31	58/61	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
524286	Parkway, London (General Commercial)	38	31	58/61	60	56	67	60	56	0	0	B	28	G5	T	-	-	-	-	
524286	Gloucester Crescent, London (Office)	38	31	58/61	60	56	67	60	56	0	0	B	1	G5	T	-	-	-	-	
525979	Camden High Street, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	19	G5	T	-	-	-	-	
525979	Delancey Passage, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
525979	Delancey Passage, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	
525979	Delancey Street, London (Restaurant)	36	28	47/50	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	
525979	Camden Dental Surgery, Camden High Street, London (Dental Surgery)	36	28	47/50	55	47	51	55	47	0	0	B	1	G4	T	-	-	-	-	
525979	Delancey Passage, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	
525979	Delancey Passage, London	36	28	47/50	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(General Commercial)																			
525979	Mary Terrace, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
525979	Arlington Road, London (General Commercial)	36	28	47/50	55	47	51	55	47	0	0	B	2	G5	T	-	-	-	-	
527860	St. Katharine's Precinct, London (General Commercial)	32	24	47/50	63	57	73	63	57	0	0	B	1	G5	T	-	-	-	-	
528008	Regents Park Barracks, Albany Street, London (Central Government Office)	40	33	49/52	51	46	52	52	46	0	0	B	1	G5	T	-	-	-	-	
528051	The Danish Church, St. Katharine's Precinct, London (Church)	34	26	45/48	63	57	73	63	57	0	0	B	1	G3	T	-	-	-	-	
528324	Redhill Street, London (Horticultural Nursery)	44	37	56/59	51	46	52	52	46	1	1	B	1	G4	T	-	-	-	-	
528405	Regents Park Barracks, Albany Street, London (Central Government Office)	38	30	49/52	51	46	52	52	46	0	0	B	1	G5	T	-	-	-	-	
528624	Goldsmith House, Park Village East, London (General Commercial)	54	47	66/69	63	57	73	63	58	1	0	B	1	G5	T	-	-	-	-	
533032	The Place Theatre, Duke's Road, London (Theatre)	27	19	44/47	75	71	81	75	71	0	0	B	3	G1	T	H	-	-	-	
533032	Flaxman Lodge, Flaxman Terrace, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
533032	Burton Street, London (Shopping)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Tiger House, Burton Street, London (Local Government Office)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	Jenkins Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Mabledon Court Hotel, Mabledon Place, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Woburn Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	St. Pancras Parish Church, Euston Road, London (Church)	27	19	44/47	75	71	81	75	71	0	0	B	1	G3	T	H	-	-	-	
533032	Tavistock House South, Tavistock Square, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	10	G5	T	H	-	-	-	
533032	The Ambassadors Hotel, Upper Woburn Place, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
533032	Grey Health Centre, Tavistock Square, London (Health Centre)	27	19	44/47	75	71	81	75	71	0	0	B	18	G4	T	H	-	-	-	
533032	Gordon Square, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	3	G5	T	H	-	-	-	
533032	University of London, Tavistock Square, London	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(University)																			
533032	University of London, Birkbeck College Faculty Of Continuing Education, Tavistock Square, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	University College London, Gordon Square, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Tavistock Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	County Hotel, Upper Woburn Place, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Tavistock House North, Tavistock Square, London (Local Government Office)	27	19	44/47	75	71	81	75	71	0	0	B	14	G5	T	H	-	-	-	
533032	Tavistock Square, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	Woburn House, Tavistock Square, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	6	G5	T	H	-	-	-	
533032	Upper Woburn Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	Student Hostel, Endsleigh Street, London (Hostel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Woburn Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	5	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
533032	Woburn Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	University of London, John Adams Hall, Endsleigh Street, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Student Hostel, Kilburn Bridge House 69-71, Endsleigh Gardens, London (Hostel)	27	19	44/47	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
533032	Tavistock Hotel, Tavistock Square, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
533032	University of London, Gordon Square, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
533032	University College London, Gordon Square, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Duke's Road, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	6	G5	T	H	-	-	-	
533032	University College London, Gordon Square (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Taviton Street, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Tavis House, Tavistock Square, London (Central Government Office)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	Woburn Square, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
533032	Charles Clore House, Russell Square, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	4	G5	T	H	-	-	-	
533032	Clifton House, Euston Road, London (Bank)	27	19	44/47	75	71	81	75	71	0	0	B	6	G5	T	H	-	-	-	
533032	Judd Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	University of London, Gordon Square, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Adult Dyslexia Centre, Woburn Walk, London (Adult Education)	27	19	44/47	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
533032	Metropolitan College, Tavistock Place, London (Further Education College)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Tavistock Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	B M A House, Tavistock Square, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	5	G5	T	H	-	-	-	
533032	University College London, Campbell House, Taviton Street, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Upper Woburn Place, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	7	G5	T	H	-	-	-	
533032	Mabledon Place, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	3	G5	T	H	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
533032	Euston Road, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	4	G5	T	H	-	-	-	
533032	Premier Inn, Dukes Road, London (Inn)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Mentone Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	The Place, Flaxman Terrace, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Taviton Street, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Endsleigh Gardens, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Friends House, Euston Road, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Bidborough House, Bidborough Street, London (Local Government Office)	27	19	44/47	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
533032	Online Galleries Ltd, Hamilton House, Mabledon Place, London (Art Gallery)	27	19	44/47	75	71	81	75	71	0	0	B	16	G3	T	H	-	-	-	
533032	University College London, Central House, Upper Woburn Place, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	4	G4	T	H	-	-	-	
533032	Euro Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	School of Public Policy,	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Tavistock Square, London (School)																			
533032	Avonmore Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	George Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Camden Chinese Community Centre, Tavistock Place, London (Community Centre)	27	19	44/47	75	71	81	75	71	0	0	B	1	G3	T	H	-	-	-	
533032	University College London, Bentham House, Endsleigh Gardens, London (University)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Taviton Street, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
533032	Crescent Hotel, Cartwright Gardens, London (Hotel)	27	19	44/47	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
533032	Euston Road, London (Office)	27	19	44/47	75	71	81	75	71	0	0	B	4	G5	T	H	-	-	-	
533032	Woburn Walk, London (General Commercial)	27	19	44/47	75	71	81	75	71	0	0	B	12	G5	T	H	-	-	-	
533361	Learning Tree International Ltd, Euston House, Eversholt Street, London (Education)	35	28	50/53	70	67	80	70	67	0	0	B	3	G4	T	H	-	-	-	
533433	Churchway, London (Office)	29	21	41/44	53	50	69	53	50	0	0	B	1	G5	T	-	-	-	-	
533445	Eversholt Street, London (General Commercial)	36	29	47/50	70	67	80	70	67	0	0	B	9	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
533673	Chalton Street, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	8	G5	T	-	-	-	-	
533673	Maverick Television Ltd, Churchway, London (Television Studio)	34	26	48/51	57	55	69	57	55	0	0	B	1	G2	T	-	-	-	-	
533673	Wide Learning Ltd, Chalton Street, London (Education)	34	26	48/51	57	55	69	57	55	0	0	B	8	G4	T	-	-	-	-	
533673	Euston Road, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533673	Unison Centre, Euston Road, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533673	Churchway, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533673	Christopher Place, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533673	Churchway, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533673	Euston Road, London (Higher Education)	34	26	48/51	57	55	69	57	55	0	0	B	4	G4	T	-	-	-	-	
533673	Churchway, London (General Commercial)	34	26	48/51	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
533851	Eversholt Street, London (General Commercial)	40	33	52/55	69	66	76	69	66	0	0	B	2	G5	T	H	-	-	-	
533851	Maria Fidelis Convent Upper School, Phoenix Road, London	40	33	52/55	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(School)																			
533851	St. Aloysius Catholic Infant School, Phoenix Road, London (Infant School)	40	33	52/55	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	
533851	St. Aloysius RC Church, Phoenix Road, London (Church)	40	33	52/55	69	66	76	69	66	0	0	B	1	G3	T	H	-	-	-	
533851	Drummond Crescent, London (Police Services)	40	33	52/55	69	66	76	69	66	0	0	B	1	G4	T	H	-	-	-	
533958	Phoenix Road, London (General Commercial)	33	25	44/47	57	55	69	57	55	0	0	B	5	G5	T	-	-	-	-	
533958	Chalton Street, London (General Commercial)	33	25	44/47	57	55	69	57	55	0	0	B	5	G5	T	-	-	-	-	
533958	Phoenix Road, London (Training)	33	25	44/47	57	55	69	57	55	0	0	B	1	G4	T	-	-	-	-	
533958	Chalton Street, London (Youth Centre)	33	25	44/47	57	55	69	57	55	0	0	B	1	G3	T	-	-	-	-	
534200	St. Marys Church, Eversholt Street, London (Church)	49	41	58/61	70	67	80	70	67	0	0	B	1	G3	T	H	-	-	-	
534200	Eversholt Street, London (General Commercial)	49	41	58/61	70	67	80	70	67	0	0	B	8	G5	T	H	-	-	-	
534200	ST. Aloysius RC Junior School, Aldenham Street, London (Junior School)	49	41	58/61	70	67	80	70	67	0	0	B	1	G4	T	H	-	-	-	
534557	Stephenson House 158-160,	30	23	49/52	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	North Gower Street, London (General Commercial)																			
534557	Stephenson Way, London (Research)	30	23	49/52	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	
534557	North Gower Street, London (General Commercial)	30	23	49/52	55	47	61	55	47	0	0	B	3	G5	T	-	-	-	-	
534557	Agency for Legal Deposit Libraries, Euston Street, London (Library)	30	23	49/52	55	47	61	55	47	0	0	B	2	G4	T	-	-	-	-	
534557	Euston Road, London (Office)	30	23	49/52	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	
534557	Euston Street, London (Office)	30	23	49/52	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	
534557	Stephenson Way, London (Welfare Services)	30	23	49/52	55	47	61	55	47	0	0	B	5	G5	T	-	-	-	-	
534557	Euston Road, London (General Commercial)	30	23	49/52	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
534557	Euston Street, London (Office)	30	23	49/52	55	47	61	55	47	0	0	B	11	G5	T	-	-	-	-	
534557	Stephenson Way, London (General Commercial)	30	23	49/52	55	47	61	55	47	0	0	B	6	G5	T	-	-	-	-	
534557	Society of College, National & University Libraries, Euston Street, London (Library)	30	23	49/52	55	47	61	55	47	0	0	B	2	G4	T	-	-	-	-	
534557	Euston Square Hotel, North Gower Street, London (Hotel)	30	23	49/52	55	47	61	55	47	0	0	B	1	G4	T	-	-	-	-	
534557	Euston House, Euston Street, London (General Commercial)	30	23	49/52	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	Significant effect
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
534557	Drummond Street, London (General Commercial)	30	23	49/52	55	47	61	55	47	0	0	B	7	G5	T	-	-	-	-	
534765	Drummond Street, London (General Commercial)	31	23	42/45	55	47	61	55	47	0	0	B	7	G5	T	-	-	-	-	
534772	North Gower Street, London (Mosque)	32	25	43/46	55	47	61	55	47	0	0	B	1	G3	T	-	-	-	-	
534772	North Gower Street, London (General Commercial)	32	25	43/46	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
534932	Maria Fidelis Convent Lower School, North Gower Street, London (School)	35	27	45/48	55	47	51	55	47	0	0	B	1	G4	T	-	-	-	-	
534932	St. James' House, Hampstead Road, London (General Commercial)	35	27	45/48	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
534932	Hampstead Road, London (General Commercial)	35	27	45/48	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
535544	Stanhope Parade, London (General Commercial)	53	45	65/68	52	50	66	56	51	3	1	B	7	G5	T	-	-	-	-	$
535544	Augustus Street, London (General Commercial)	53	45	65/68	52	50	66	56	51	3	1	B	1	G5	T	-	-	-	-	$
535686	The Regents Park Practice, Cumberland Market, London (Clinic)	47	40	56/59	52	50	66	54	50	1	0	B	1	G4	T	-	-	-	-	
535768	Hampstead Road, London (Shopping)	58	50	65/68	64	57	75	65	58	1	1	B	1	G5	T	-	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
536408	University College London, Drayton House, Gordon Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
536408	Tottenham Court Road, London (General Commercial)	31	23	51/54	75	71	81	75	71	0	0	B	3	G5	T	H	-	-	-	
536408	University College London, Torrington Place, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Chenies Mews, London (General Commercial)	31	23	51/54	75	71	81	75	71	0	0	B	5	G5	T	H	-	-	-	
536408	University College London, Gower Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Bloomsbury Theatre, Gordon Street, London (Theatre)	31	23	51/54	75	71	81	75	71	0	0	B	1	G1	T	H	-	-	-	
536408	University College London, New Chemistry Building, Gordon Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Huntley Street, London (Office)	31	23	51/54	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
536408	Euston Road, London (Office)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	Gower Place Practice, Gower Place, London (Clinic)	31	23	51/54	75	71	81	75	71	0	0	B	3	G4	T	H	-	-	-	
536408	Shropshire House, Capper Street, London (Office)	31	23	51/54	75	71	81	75	71	0	0	B	8	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	Significant effect
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
536408	University College London, Malet Place, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Malet Street, London (Office)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	University College London, Gordon Square, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	2	G4	T	H	-	-	-	
536408	University College London, Gower Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University College London, Chenies Mews, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University College London, Gower Street, London (Bank)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	Catholic Chaplaincy to the London Universities, Newman House, Gower Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University College London, The Bartlett School, Gordon Street, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Congregational Library, Gordon Square, London (Library)	31	23	51/54	75	71	81	75	71	0	0	B	3	G4	T	H	-	-	-	
536408	Gower Street, London	31	23	51/54	75	71	81	75	71	0	0	B	5	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(General Commercial)																			
536408	Gordon Street, London (General Commercial)	31	23	51/54	75	71	81	75	71	0	0	B	3	G5	T	H	-	-	-	
536408	Huntley Street, London (Office)	31	23	51/54	75	71	81	75	71	0	0	B	2	G5	T	H	-	-	-	
536408	University of London Chaplaincy, Torrington Square, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University of London, Woburn Square, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	The Cloisters, Gordon Square, London (General Commercial)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	Gower Street, London (Hostel)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	Gower Street, London (Factory)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	Taviton Street, London (General Commercial)	31	23	51/54	75	71	81	75	71	0	0	B	1	G5	T	H	-	-	-	
536408	University College London, Gordon Square, London (University)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University College Hospital, University Street, London (Hospital)	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	
536408	University College London, Gordon Square, London	31	23	51/54	75	71	81	75	71	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	(University)																			
539626	Dental Surgery, North Gower Street, London (Dental Surgery)	31	23	44/47	55	47	61	55	47	0	0	B	1	G4	T	-	-	-	-	
539626	North Gower Street, London (Café)	31	23	44/47	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
539626	Triton Square, London (General Commercial)	31	23	44/47	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	
539626	Triton Square, London (General Commercial)	31	23	44/47	55	47	61	55	47	0	0	B	5	G5	T	-	-	-	-	
539626	Triton Square Mall, Triton Square, London (Estate Agency)	31	23	44/47	55	47	61	55	47	0	0	B	3	G5	T	-	-	-	-	
539626	Prism Entertainment, Euston Tower, Euston Road, London (Entertainment Centre)	31	23	44/47	55	47	61	55	47	0	0	B	31	G2	T	-	-	-	-	
539626	Camden Peoples Theatre, Hampstead Road, London (Theatre)	31	23	44/47	55	47	61	55	47	0	0	B	5	G1	T	-	-	-	-	
539626	Euston Road, London (Employment Agency)	31	23	44/47	55	47	61	55	47	0	0	B	3	G5	T	-	-	-	-	
539626	Drummond Street, London (General Commercial)	31	23	44/47	55	47	61	55	47	0	0	B	3	G5	T	-	-	-	-	
543159	St. Christopher's Nursery, St. Christopher's House (Pre School Education)	39	31	48/51	55	47	61	55	47	0	0	B	2	G4	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
543159	St. Mary & St. Pancras Primary School (Primary School)	39	31	48/51	55	47	61	55	47	0	0	B	2	G4	T	-	-	-	-	
543159	Chalton Street, London (Club)	39	31	48/51	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
543159	Edith Neville Primary School (Primary School)	39	31	48/51	55	47	61	55	47	0	0	B	1	G4	T	-	-	-	-	
543159	Mary Wollstonecraft House, Chalton Street (General Commercial)	39	31	48/51	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
543159	Chalton Street, London (Leisure Centre)	39	31	48/51	55	47	61	55	47	0	0	B	1	G5	T	-	-	-	-	
544328	Camden High Street, London (General Commercial)	38	30	47/50	55	47	51	55	47	0	0	B	17	G5	T	-	-	-	-	
544328	Mornington Crescent, London (General Commercial)	38	30	47/50	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
544328	Arlington Road, London (General Commercial)	38	30	47/50	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
544328	Old Bakery, Carlow Street, London (Office)	38	30	47/50	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
544630	Greater London House, Hampstead Road, London (Office)	53	45	64/67	59	54	68	60	54	1	1	B	15	G5	T	-	-	-	-	
545266	Millbrook Place, London (Office)	42	35	56/59	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
545266	Ampthill Square Medical Centre, Eversholt Street,	42	35	56/59	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	London (Health Centre)																			
545266	Mornington Crescent Station, Millbrook Place, London (General Commercial)	42	35	56/59	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
545266	Lidlington Place, London (General Commercial)	42	35	56/59	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
545266	Isis Beauty Clinic, Eversholt Street, London (Clinic)	42	35	56/59	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	
545266	Hurdwick Place, London (General Commercial)	42	35	56/59	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
545266	Eversholt Street, London (General Commercial)	42	35	56/59	67	61	71	67	61	0	0	B	17	G5	T	H	-	-	-	
545266	Harrington Square, London (Surgery)	42	35	56/59	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	
545266	Happyvale Hotel, Harrington Square, London (Hotel)	42	35	56/59	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	
545326	Mornington Crescent, London (Car Dealer)	54	46	65/68	62	56	65	62	57	1	0	B	1	G5	T	-	-	-	-	
545455	Eversholt Street, London (General Commercial)	38	31	49/52	62	56	65	62	56	0	0	B	2	G5	T	-	-	-	-	
545616	Eversholt Street, London (General Commercial)	38	30	44/47	62	56	65	62	56	0	0	B	3	G5	T	-	-	-	-	
546176	Broadcasting Support Services, Eversholt Street, London (Television Studio)	47	40	59/62	52	46	65	53	47	1	1	B	15	G2	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
547012	Netley Primary School, William Road, London (Primary School)	39	31	53/56	68	64	75	68	64	0	0	B	1	G4	T	H	-	-	-	
547012	Prince Of Wales Passage, London (General Commercial)	39	31	53/56	68	64	75	68	64	0	0	B	3	G5	T	H	-	-	-	
547012	Hampstead Road, London (General Commercial)	39	31	53/56	68	64	75	68	64	0	0	B	6	G5	T	H	-	-	-	
547012	William Road, London (General Commercial)	39	31	53/56	68	64	75	68	64	0	0	B	4	G5	T	H	-	-	-	
547012	Drummond Street, London (General Commercial)	39	31	53/56	68	64	75	68	64	0	0	B	5	G5	T	H	-	-	-	
547012	Confident Dental Practice, Hampstead Road (Dental Surgery)	39	31	53/56	68	64	75	68	64	0	0	B	1	G4	T	H	-	-	-	
547012	Stanhope Street, London (Local Government Office)	39	31	53/56	68	64	75	68	64	0	0	B	1	G5	T	H	-	-	-	
700144	Parkway Business Centre, Parkway (Conference Centre)	34	24	47/50	57	54	68	57	54	0	0	B	1	G3	T	-	-	-	-	
700144	Blackmore Dental Surgery, Parkway (Dental Surgery)	34	24	47/50	57	54	68	57	54	0	0	B	1	G4	T	-	-	-	-	
700144	British Friends of the Hebrew University, Albert Street, London (University)	34	24	47/50	57	54	68	57	54	0	0	B	9	G4	T	-	-	-	-	
700144	Our Lady Of Hal RC Church, Arlington Road (Church)	34	24	47/50	57	54	68	57	54	0	0	B	1	G3	T	-	-	-	-	
700144	The Cavendish School,	34	24	47/50	57	54	68	57	54	0	0	B	1	G4	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Inverness Street, London (School)																			
700144	Arlington Road, London (Probation Centre)	34	24	47/50	57	54	68	57	54	0	0	B	1	G5	T	-	-	-	-	
700144	Parkway, London (General Commercial)	34	24	47/50	57	54	68	57	54	0	0	B	23	G5	T	-	-	-	-	
700144	Arlington Road, London (Travel Agency)	34	24	47/50	57	54	68	57	54	0	0	B	1	G5	T	-	-	-	-	
700144	Inverness Street, London (General Commercial)	34	24	47/50	57	54	68	57	54	0	0	B	1	G5	T	-	-	-	-	
700393	Cumberland Terrace, London (Office)	33	26	43/46	63	57	73	63	57	0	0	B	1	G5	T	-	-	-	-	
700394	Surma Community Centre, Robert Street, London (Office)	44	37	55/58	60	56	75	60	56	0	0	B	1	G5	T	-	-	-	-	
710960	Chester Court, Albany Street, London (Shopping)	32	25	40/43	68	64	75	68	64	0	0	B	5	G5	T	H	-	-	-	
710961	Camden High Street, London (General Commercial)	34	25	45/48	55	47	51	55	47	0	0	B	10	G5	T	-	-	-	-	
710961	Arlington Road, London (General Commercial)	34	25	45/48	55	47	51	55	47	0	0	B	3	G5	T	-	-	-	-	
710961	Delancey Street, London (Snooker)	34	25	45/48	55	47	51	55	47	0	0	B	1	G5	T	-	-	-	-	
710962	Camden High Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	12	G5	T	H	-	-	-	
710962	Pratt Mews, London (General	33	25	45/48	67	61	71	67	61	0	0	B	8	G5	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Commercial)																			
710962	Plender Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
710962	Plender Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
710962	Kings Terrace, London (Shopping)	33	25	45/48	67	61	71	67	61	0	0	B	3	G5	T	H	-	-	-	
710962	Trojan Recording, Pratt Mews, London (Recording Studio)	33	25	45/48	67	61	71	67	61	0	0	B	4	G2	T	H	-	-	-	
710962	Bayham Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
710962	Bayham Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
710962	Pratt Mews, London (Kingdom Hall)	33	25	45/48	67	61	71	67	61	0	0	B	1	G3	T	H	-	-	-	
710962	Bayham Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	1	G5	T	H	-	-	-	
710962	Pratt Street, London (General Commercial)	33	25	45/48	67	61	71	67	61	0	0	B	3	G5	T	H	-	-	-	
710963	Bayham Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	18	G5	T	-	-	-	-	
710963	Energy Film Library, Bayham Street, London (Library)	32	24	45/48	59	54	68	59	54	0	0	B	6	G4	T	-	-	-	-	
710963	Opticians, Camden High Street, London (Clinic)	32	24	45/48	59	54	68	59	54	0	0	B	14	G4	T	-	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
710963	Variety Club House, Bayham Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	3	G5	T	-	-	-	-	
710963	Camden High Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	3	G5	T	-	-	-	-	
710963	Pratt Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	4	G5	T	-	-	-	-	
710964	Camden Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710964	The Marr, Camden Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	2	G5	T	-	-	-	-	
710964	Plender Street, London (General Commercial)	32	24	45/48	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710964	Curnock Estate Car Park, Pratt Street, London (Office)	32	24	45/48	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710965	Dick Collins Hall, Redhill Street, London (Office)	34	27	40/43	52	50	66	52	50	0	0	B	1	G5	T	-	-	-	-	
710965	Robert Street, London (General Commercial)	34	27	40/43	52	50	66	52	50	0	0	B	6	G5	T	-	-	-	-	
710966	Regents Park Branch Library, Robert Street, London (Library)	36	28	47/50	52	50	66	52	50	0	0	B	1	G5	T	-	-	-	-	
710966	Arrow Dental Surgery, Robert Street, London (Dental Surgery)	36	28	47/50	52	50	66	52	50	0	0	B	1	G4	T	-	-	-	-	

Assessment Location		Impact criteria									Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
710966	Robert Street, London (Office)	36	28	47/50	52	50	66	52	50	0	0	B	3	G5	T	-	-	-	-	
710967	Troutbeck, Albany Street, London (Research)	31	23	40/43	52	50	66	52	50	0	0	B	10	G5	T	-	-	-	-	
710967	Compton Close, London (Shopping)	31	23	40/43	52	50	66	52	50	0	0	B	1	G5	T	-	-	-	-	
710968	Plender Street, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	3	G5	T	H	-	-	-	
710968	3 D D Entertainment Ltd, Camden High Street, London (Music Production)	36	28	47/50	67	61	71	67	61	0	0	B	3	G2	T	H	-	-	-	
710968	Camden Theatre, Camden High Street, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	2	G5	T	H	-	-	-	
710968	Bayham Street, London (Training)	36	28	47/50	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	
710968	The Camden Methodist Church, Plender Street, London (Church)	36	28	47/50	67	61	71	67	61	0	0	B	1	G3	T	H	-	-	-	
710968	Bayham Street, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	2	G5	T	H	-	-	-	
710968	Bayham Place, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	2	G5	T	H	-	-	-	
710968	Kings Terrace, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	7	G5	T	H	-	-	-	
710968	Camden High Street Dental	36	28	47/50	67	61	71	67	61	0	0	B	1	G4	T	H	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
	Practice, Camden High Street, London (Dental Surgery)																			
710968	Camden High Street, London (General Commercial)	36	28	47/50	67	61	71	67	61	0	0	B	12	G5	T	H	-	-	-	
710969	Bayham Street, London (General Commercial)	32	24	43/46	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710969	Bayham Place, London (General Commercial)	32	24	43/46	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710969	Bayham Place, London (General Commercial)	32	24	43/46	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710969	Bayham Place, London (General Commercial)	32	24	43/46	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710969	Working Men's College, Crowndale Road, London (Further Education College)	32	24	43/46	59	54	68	59	54	0	0	B	1	G4	T	-	-	-	-	
710969	Plender Street, London (General Commercial)	32	24	43/46	59	54	68	59	54	0	0	B	3	G5	T	-	-	-	-	
710969	Plender Street, London (Surgery)	32	24	43/46	59	54	68	59	54	0	0	B	1	G4	T	-	-	-	-	
710971	University of London, Schafer House, Drummond Street, London (University)	36	28	50/53	52	50	66	52	50	0	0	B	1	G4	T	-	-	-	-	
710971	William Road, London (General Commercial)	36	28	50/53	52	50	66	52	50	0	0	B	1	G5	T	-	-	-	-	
710971	Acre House, William Road, London (General Commercial)	36	28	50/53	52	50	66	52	50	0	0	B	1	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
710971	Drummond Street, London (General Commercial)	36	28	50/53	52	50	66	52	50	0	0	B	5	G5	T	-	-	-	-	
710971	Stephenson House, Hampstead Road, London (Travel Agency)	36	28	50/53	52	50	66	52	50	0	0	B	2	G5	T	-	-	-	-	
710971	The Photographers Gallery, William Road, London (Art Gallery)	36	28	50/53	52	50	66	52	50	0	0	B	2	G3	T	-	-	-	-	
710972	Stanhope Street, London (Youth Centre)	32	24	42/45	52	50	66	52	50	0	0	B	1	G3	T	-	-	-	-	
710972	Fine Arts College, Regents Park Centre, Longford Street, (Further Education College)	32	24	42/45	52	50	66	52	50	0	0	B	1	G4	T	-	-	-	-	
710973	Eversholt Street, London (General Commercial)	39	31	51/54	62	56	65	62	56	0	0	B	1	G5	T	-	-	-	-	
710973	Eversholt Street, London (Local Government Office)	39	31	51/54	62	56	65	62	56	0	0	B	6	G5	T	-	-	-	-	
710973	Crowndale Health Centre, Crowndale Road, London (Health Centre)	39	31	51/54	62	56	65	62	56	0	0	B	1	G4	T	-	-	-	-	
710973	Oakley Square, London (General Commercial)	39	31	51/54	62	56	65	62	56	0	0	B	1	G5	T	-	-	-	-	
710975	Mayford Day Centre, Mayford, Oakley Square (Day Care)	37	29	47/50	55	47	61	55	47	0	0	B	1	G4	T	-	-	-	-	
710975	Chalton Street, London (General Commercial)	37	29	47/50	55	47	61	55	47	0	0	B	2	G5	T	-	-	-	-	

Assessment Location		Impact criteria										Significance criteria								Significant effect
ID	Area represented	Proposed Scheme only (Year 15 traffic)			Do nothing (Opening year baseline)			Do something (Opening year baseline + Year 15 traffic) ****		Change		Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Mitigation of effect	
		Day *	Night **	Max ***	Day *	Night **	Max ***	Day *	Night **	Day *	Night **									
710976	Godwin Court, Crowndale Road, London (Office)	33	25	41/44	59	54	68	59	54	0	0	B	1	G5	T	-	-	-	-	
710976	Medburn Centre, Chalton Street, London (Welfare Services)	33	25	41/44	59	54	68	59	54	0	0	B	7	G5	T	-	-	-	-	
710976	Medburn Centre, Chalton Street, London (Youth Centre)	33	25	41/44	59	54	68	59	54	0	0	B	2	G3	T	-	-	-	-	
710977	British Library, Euston Road, London (Library)	29	23	36/39	57	55	69	57	55	0	0	B	1	G4	T	-	-	-	-	
710977	Euston Road, London (General Commercial)	29	23	36/39	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
710977	Chalton Street, London (General Commercial)	29	23	36/39	57	55	69	57	55	0	0	B	10	G5	T	-	-	-	-	
710978	Phoenix Road, London (General Commercial)	33	26	39/42	57	55	69	57	55	0	0	B	1	G5	T	-	-	-	-	
710978	Polygon Road, London (Family Service)	33	26	39/42	57	55	69	57	55	0	0	B	1	G4	T	-	-	-	-	
710978	Hampden Community Centre, Ossulston Street, London (Community Centre)	33	26	39/42	57	55	69	57	55	0	0	B	1	G3	T	-	-	-	-	
898989	Albert Street, London (Office)	34	26	45/48	50	42	51	50	42	0	0	B	1	G5	T	-	-	-	-	

Direct impact - Summary

4.3.8 The operational airborne noise impacts identified in Table 3 are summarised in Table 4.

Table 4: Summary of operational airborne sound impacts

Receptor	Number of impacts		
	Minor	Moderate	Major
Residential properties	74	60	0
Non-residential properties	0	0	0
Quiet areas	None	None	None

4.4 Assessment of impacts and effects

Residential receptors: direct effects –individual dwellings

4.4.1 The mitigation measures will reduce noise inside all dwellings such that it will not reach a level where it would significantly affect residents.

Residential receptors: direct effects –communities

4.4.2 The avoidance and mitigation measures in this area will avoid airborne noise adverse effects on the majority of receptors and at the following communities:

- Ampthill Estate;
- along Mornington Terrace; and
- along Park Village East.

4.4.3 Taking account of the envisaged mitigation, Map Series SV-02 (Volume 5 Map book) shows the long term 40dB[2] night-time sound level contour from the operation of trains on the Proposed Scheme. The extent of the 40dB night-time sound level contour is equivalent to, or slightly larger than, the 50dB daytime contour[3]. In general, below these levels adverse effects are not expected.

4.4.4 Above 40dB during the night or 50dB during the day the effect of noise is dependent on the baseline sound levels in that area and the change in sound level (magnitude of effect) brought about by the Proposed Scheme. The airborne noise impacts and effects forecast for the operation of the scheme are presented on Map Series SV-02 (Volume 5 Map Book).

[2] Defined as the equivalent continuous sound level from 23:00 to 07:00 or $L_{pAeq,night}$)

[3] With the train flows described in the assumptions section of this CFA Report, the daytime sound level (defined as the equivalent continuous sound level from 07:00 to 23:00 or $L_{pAeq,day}$) from the Proposed Scheme would be approximately 10dB higher than the night-time sound level. The 40dB contour therefore indicates the distance from the Proposed Scheme at which the daytime sound level would be 50dB.

4.4.5 The changes in noise levels are likely to affect the acoustic character of the area such that there is a perceived change in the quality of life. These effects are considered to be significant when assessed on a community basis taking account of the local context.

4.4.6 The direct adverse effects[4] on the areas of the residential communities identified in Table 5 are considered to be significant.

Table 5: Adverse effects of operational noise and vibration that are considered to be significant on a community basis

Significant effect number (see Map series SV-02, Table 1 and 3)	Source of significant effect	Time of day	Location and details
OSV01-C01	Airborne noise increase from new train services and the realignment of Hampstead Road.	Daytime and night-time	Forecast increases in sound from the railway are likely to cause a moderate adverse effect on the acoustic character of the area around Langdale and the adjacent open spaces, and a minor adverse effect around Augustus House and Coniston and their adjacent shared community open areas. These buildings are located in the Regent's Park Estate.

Residential receptors: indirect effects

4.4.7 Changes in road traffic due to the operation of the Proposed Scheme, set out in Section 12: Traffic and Transport, is likely to create beneficial noise effects on residential receptors along the following local roads:

- Drummond Street (OSV01-C05), where road closures will result in a reduction of outdoor noise levels by approximately 5dB in the vicinity of dwellings located immediately adjacent to these roads; and
- Robert Street and Varndell Street (OSV01-C06), outdoor noise levels will reduce by approximately 5dB in the vicinity of dwellings located immediately adjacent to these roads due to reorientation of traffic routes in this area.

4.4.8 Changes in road traffic due to the Proposed Scheme, set out in Section 12, is likely to cause adverse noise effects on residential receptors along the following local roads:

- North Gower Street and Cobourg Street (OSV01-C02), increased road traffic noise levels of approximately 5dB;
- the section of Stanhope Street between Granby Terrace and Robert Street (OSV01-C03), an overall increase in outdoor noise levels of around 5 dB is forecast[5]; and
- Mornington Street and Arlington Street to the north of the station (OSV01-C04), an increase in outdoor noise levels of around 3 dB.

4.4.9 The changes in noise levels resulting from the changes in road traffic are likely to affect the acoustic character of the area such that there is a perceived change in the quality of life.

[4] Information is provided in the emerging National Planning Practice Guidance – Noise http://planningguidance.planningportal.gov.uk,

[5] the increase in traffic noise on this road is around 12dB, but the sound level at the adjacent dwellings is not currently dominated by the traffic flow on this road

4.4.10 These effects are considered significant when assessed on a community basis taking account of the local context.

Non-residential receptors: direct effects

4.4.11 The assessment of operational noise and vibration indicates that significant direct effects are unlikely to occur on non-residential receptors in this area.

Non-residential receptors: indirect effects

4.4.12 The assessment of operational noise and vibration indicates that significant indirect effects are unlikely to occur on non-residential receptors in this area.

Cumulative effects

4.4.13 Details of properties being currently developed which were afforded planning approval before the safeguarding date are presented in Volume 5: Appendix CT004-000. Within this area, the operational sound, noise or vibration associated with these developments in conjunction with the operation of the Proposed Scheme do not result in any significant cumulative effects.